

Global Diabetes Summit

Conquering Diabetes Frontiers with
New Discoveries and Technologies

Columbus, Ohio, USA Thursday, November 29 - Saturday, December 1, 2007

www.medicalcenter.osu.edu/go/diabetessummit



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Thursday, November 29 - Saturday, December 1, 2007
The Hilton at Easton, Columbus, Ohio, USA

International leaders representing five continents will gather to discuss the global diabetes pandemic and the impact of diabetes on international health care. During this three-day symposium, diabetes experts will present the latest seminal outcomes in diabetes research and formulate an interdisciplinary road map for prevention, detection and treatment of diabetes patients. **Professor Kwame Osei, MD**, director of the Division of Endocrinology, Diabetes and Metabolism and the Diabetes Research Center at Ohio State University Medical Center and the chair of the **Organizing Committee for the Summit**, is anticipating illuminating and informative plenary sessions and collaborative talks on the most recent diabetes innovations in areas such as:

- Epidemiology and global prevention of global diabetes pandemic
- Physiology of glucose homeostasis and associated metabolic disorders
- The face of diabetes in ethnic populations
- New approaches in islet cell therapy
- Role of drug therapies in diabetes prevention and treatment
- Childhood diabetes epidemic
- Pregnancy and diabetes
- Combating diabetes with personalized medicine

For more information or to make a reservation for the Global Diabetes Summit, visit our Web site at www.medicalcenter.osu.edu/go/diabetessummit.

CONTACT: Amy Ehrlich, Conference Coordinator
Ohio State University Medical Center
Center for Continuing Medical Education
e-mail: amy.ehrlich@osumc.edu

November 29, 2007

Welcome Reception (non CME accredited)

7:00 pm to 9:00 pm

November 30, 2007

Morning Program 7:30 am to 12:00 pm

8:00 a.m. – 8:10 a.m. Welcome and Opening Remarks

Kwame Osei, MD, USA, (Columbus); Fred Sanfilippo, MD, PhD, USA, (Columbus), Chief Executive Officer, Ohio State University Medical Center; Jean-Claude Mbanya, MD, PhD, Cameroon (Yaoundé); Pierre Lefebvre, MD, PhD, Belgium (Brussels), IDF, Immediate-Past President; Aaron Kowalski, MD, Juvenile Diabetes Research Foundation, International Representative; M. Sue Kirkam, MD, USA, (Alexandria), Vice President, Clinical Affairs American Diabetes Association

8:10 a.m. – 8:40 a.m. Plenary Session I

Global Diabetes Pandemic in the New Millennium:
Threat to Cardiovascular Health and World Economies
Pierre Lefebvre, MD, PhD, IDF/Belgium (Brussels)

8:40 a.m. – 10:50 a.m. Symposium I

Integrative Physiology of Glucose Homeostasis: Collusion of Beta Cell, Skeletal Muscle, Liver and Adipose Tissue
Moderators: Dara Schuster, MD, USA (Columbus) and Ele Ferrannini, MD, Italy (Parma)

8:45 a.m. – 9:15 a.m.

The Challenges of Understanding Beta Cell Function and Insulin Resistance in Patients with Type 2 Diabetes
Ele Ferrannini, MD, Italy (Parma)

9:15 a.m. – 9:45 a.m.

The Pathogenesis of Diabetes and PreDiabetes: Implications for Therapy
Robert Rizza, MD, USA (Rochester)

9:45 a.m. – 10:15 a.m.

In vivo Integrated Assessment of Insulin Secretion and Insulin Action: What is the Best Approach?
Richard Bergman, PhD, USA (Los Angeles)

10:15 a.m. – 10:50 a.m. Panel Discussion and Q/A

Panelists: Ele Ferrannini, MD, Italy (Parma); Robert Rizza, MD, USA (Rochester); and Richard Bergman, PhD, USA (Los Angeles)

Symposium II

Physiology of Metabolic Syndrome: A New Look
Moderator: Naomi Lewitt, MBBS, South Africa (Cape Town)

11:00 a.m. – 11:25 a.m.

Insulin Resistance and Metabolic Syndrome: Why the Controversies?
David Kelley, MD, USA (Pittsburgh)

11:25 a.m. – 11:50 a.m.

Significance of Metabolic Quartet: Are Adipocytokines the Key Players in Metabolic Syndrome?
Philipp Scherer, PhD, USA (Dallas)

11:50 a.m. – 12:00 p.m. Panel Discussion and Q/A

Panelists: David Kelley, MD, USA (Pittsburgh) and Philipp Scherer, PhD, USA (Dallas)

November 30, 2007

Afternoon Program 12:00 pm to 3:00 pm

Plenary Session II

Mini-Symposium and Lunch

Moderator: Pierre Lefebvre, MD, PhD, IDF/Belgium

12:00 p.m. – 12:45 p.m.

The Global Trends and Faces of Diabetes: Strategies to Overcome the Diabetes Pandemic
Jean-Claude Mbanya, MD, PhD, IDF/Cameroon

1:00 p.m. – 3:00 p.m. Concurrent Workshops I

Workshop IA: Unique Faces of Diabetes in Special Ethnic Populations
Moderators: Enrique Caballero, MD, USA (Boston) and Ayesha Motala, MBBS, South Africa (Durban)

1:00 p.m. – 1:20 p.m.

Diabetes in Asians
Ambady Ramachandran, MD, India (Madras)

1:20 p.m. – 1:40 p.m.

Diabetes in West Africans
Albert Amoah, MBBS, Ghana (Accra)

1:40 p.m. – 2:10 p.m.

Diabetes in Latinos
Enrique Caballero, MD, USA (Boston)

2:10 p.m. – 2:30 p.m.

Diabetes in South Africans
Naomi Lewitt, MBBS, South Africa (Cape Town)

2:30 p.m. – 3:00 p.m.

Diabetes in Australian Aborigines
Ashim Sinha, MBBS, Australia (Cairns)

Workshop IB: Health Economics and Outcomes

of New Surgical Techniques in Diabetes
Moderator: Charles Cook, MD, USA (Columbus) and Scott Melvin, MD, USA (Columbus)

1:00 p.m. – 1:30 p.m.

Minimally Invasive and Robotic Cardiac Surgery: Applications in Diabetic Patients
Benjamin Sun, MD, USA (Columbus)

1:30 p.m. – 2:00 p.m.

Minimally Invasive Roux-en-Y Gastric Bypass Surgery for Obese Type 2 Diabetics: Is the Verdict In?
Bradley Needleman, MD, USA (Columbus)

2:00 p.m. – 2:30 p.m.

Peripheral Vascular Disease in Diabetics: Application of Minimally Invasive Surgical Procedures
Patrick Vaccaro, MD, USA (Columbus)

2:30 p.m. – 3:00 p.m.

Wound Healing in Diabetics: Practical Insights Using New Technologies
Chandan Sen, PhD, USA (Columbus)

Workshop IC: Immunological Advances in Type 1 Diabetes

Moderators: Dana Hardin, MD, USA (Columbus) and Dorothy Becker, MD, USA (Pittsburgh)

1:00 p.m. – 1:35 p.m.

Genetics and Immunological/Environmental Triggers of Type 1 Diabetes
Dorothy Becker, MD, USA (Pittsburgh)

1:35 p.m. – 2:10 p.m.

Strategies for Primary and Secondary Prevention of Type 1 Diabetes: Role of Immunological and Non-Immunological Modulators
Jay Skyler, MD, USA (Miami)

2:10 p.m. – 2:35 p.m.

Effects of Immune Modulation in the Natural History of Type 1 Diabetes
Kevan Herold, MD, USA (New Haven)

2:35 p.m. – 3:00 p.m. Panel Discussion and Q/A

Panelists: Kevan Herold, MD, USA (New Haven); Dorothy Becker, MD, USA (Pittsburgh); and Jay Skyler, MD, USA (Miami)

Workshop ID: Advances in Diabetic Nephropathy and Cardiovascular Diseases

Moderators: Lawrence Agodoa, MD, USA (Bethesda) National Institutes for Health and Alan Go, MD, USA (Chicago)

1:00 p.m. – 1:30 p.m.

Chronic Kidney Disease as a Risk Factor for Cardiovascular Diseases: Evidence on Mortality and Morbidity
Alan Go, MD, USA (Chicago)

1:30 p.m. – 2:00 p.m.

Screening for Diabetic Kidney Diseases: What is the Risk?
Holly Kramer, MD, USA (Chicago)

2:00 p.m. – 2:30 p.m.

Chronic Renal Diseases and Metabolic Syndrome: Are They Equivalent?
William McClellan, MD, USA (Atlanta)

2:30 p.m. – 3:00 p.m.

Chronic Renal Disease as an Insulin-Resistant State: Special Considerations in Selecting ARBs and/or ACEIs
James Sowers, MD, USA (Columbia)

Afternoon Entertainment (non CME accredited)

Tour of Columbus and The Ohio State University Medical Center

Special Evening Program

7:00 p.m. to 10:00 p.m.

Dinner Symposium

Remediable Risk Factors in the Emergence of Global Cardio-Metabolic Pandemic

Moderators: George Mensah, MD, USA (CDC, Atlanta) and Kwame Osei, MD, USA (Columbus)

7:00 p.m. – 7:30 p.m. Reception

7:30 p.m. – 8:00 p.m.

Global Cardiovascular Pandemic: The Role of Obesity and Modern Lifestyle
Sandeep Gupta, MD, UK (London)

8:00 p.m. – 8:30 p.m.

Diabetes and Cardiovascular Pandemic: Are They Coronary Equivalent?
Stephen Haffner, MD, USA (San Antonio)

8:30 p.m. – 9:00 p.m.

Metabolic Syndrome and CHD: Strategies for Intervention
Robert Eckel, MD, USA (Denver)

9:00 p.m. – 9:30 p.m. Panel Discussion and Q/A

Panelists: Sandeep Gupta, MD, UK (London); Stephen Haffner, MD, USA (San Antonio); Robert Eckel, MD, USA (Denver); and George Mensah, MD, USA (CDC, Atlanta)

December 1, 2007

Morning Program 7:30 am to 12:00 pm

7:30 a.m. – 8:30 a.m. Registration

8:00 a.m. – 8:05 a.m. Welcome and Comments

Samuel Cataland, MD, USA (Columbus)

8:05 a.m. – 8:40 a.m. Plenary Session III

The Challenges of Diabetes in the New Millennium: USA Experience
Frank Vinicor, MD, USA (Atlanta) Centers for Disease Control and Prevention

Symposium III

Epidemic of Childhood Diabetes: Challenges and Hopes

Moderators: Kaushik Ramaiya, MBBS, Africa (Tanzania) and Marjorie Mau, MD, USA (Hawaii)

8:40 a.m. – 9:10 a.m.

Childhood and Youth Type 2 Diabetes: The Evolving Picture
Silva Arslarian, MD, USA (Pittsburgh)

9:10 a.m. – 9:30 a.m.

Childhood Obesity and Type 2 Diabetes: Strategies for Early Intervention
Sonia Caprio, MD, USA (New Haven)

9:30 a.m. – 9:50 a.m.

Strategies in the Prevention of Diabetes Using Lifestyle Modification and Education: Hawaii Experience
Marjorie Mau, MD, USA (Hawaii)

9:50 a.m. – 10:00 a.m. Panel Discussion and Q/A

Panelists: Silva Arslarian, MD, USA (Pittsburgh); Sonia Caprio, MD, USA (New Haven); and Kaushik Ramaiya, MBBS, Africa (Tanzania)

Plenary Session IV

Symposium of Development of New Drug Therapies in Diabetes

Moderators: James Reed, MD, USA (Atlanta) and Bernard Zinman, MD, Canada (Toronto)

10:15 a.m. – 10:45 a.m.

Exendin-4 and GLP-I Agonists: New Therapeutics for Diabetes
Alain Baron, MD, USA (San Diego)

10:45 a.m. – 11:15 a.m.

DPP-4 Inhibitors: Effects on Diabetes Beta Cell Health and CVD Risks
John Buse, MD, USA (Chapel Hill)

11:15 a.m. – 11:45 a.m.

Unique Features of New Insulin Analogues: Pros and Cons for Early Intervention in Diabetes
Bernard Zinman, MD, Canada (Toronto)

11:45 a.m. – 12:00 p.m. Panel Discussion and Q/A

Panelists: Alain Baron, MD, USA (San Diego); John Buse, MD, USA (Chapel Hill); and Bernard Zinman, MD, Canada (Toronto)

December 1, 2007

Afternoon Program 12:00 pm to 6:00 pm

12:00 p.m. – 1:00 p.m. Mini Symposium and Lunch

Moderator: Ashim Sinha, MBBS, Australia (Cairns Straits)

Telemedicine in Diabetes Care Delivery: Bringing Diabetes Experts to Rural/Underserved Areas and Developing Countries
Ryan Spaulding, PhD, USA (Kansas)

Symposium IV

Evidence-Based Primary Prevention of Type 2 Diabetes

Moderators: Sam-Dagogo Jack, MD, PhD, USA (Memphis) and Jaakko Tuomilehto, MD, Finland (Helsinki)

1:00 p.m. – 1:30 p.m.

Approaches for the Effective Primary Prevention of Diabetes: Implications of DPP
Robert Ratner, MD, USA (Washington, DC)

1:30 p.m. – 2:00 p.m.

Lifestyle Approaches to Prevention of Type 2 Diabetes:
Lessons From Finish Diabetes Prevention Study
Jaakko Tuomilehto, MD, Finland (Helsinki)

2:00 p.m. – 2:30 p.m.

Pharmacological Approaches for Primary Prevention of Type 2
Diabetes: Lessons from TRIPOD and DREAM
Thomas Buchanan, MD, USA (Los Angeles)

2:30 p.m. – 3:00 p.m.

Diabetes and Metabolic Syndrome in Africans:
Rationale for Early Intervention
Ayesha Motala, MBBS, South Africa (Durban)

3:00 p.m. – 3:30 p.m.

Psychological Factors in Primary Prevention of Type 2 Diabetes
Richard Rubin, PhD, USA (Baltimore)

Workshop II

Workshop IIA: Future of Islet Cell Transplantation and
Cellular Therapies in Diabetes

Dedicated to the late Paul Lacy, PhD

Moderators: Amer Rajab, MD, PhD, USA (Columbus) and Jonathan
Lakey, PhD, Canada (Edmonton)

3:30 p.m. – 4:00 p.m.

2007 Annual Report: Collaborative Islet Cell Transplantation Registry
Rodolfo Alejandro, MD, USA (Miami)

4:00 p.m. – 4:30 p.m.

Dos and Don'ts of Islet Cell Transplantation
Jonathan Lakey, PhD, Canada (Edmonton)

4:30 p.m. – 5:00 p.m.

Consideration in Selection of Immunosuppressive Therapies in Islet Cell
Transplantation and Cellular Therapies: NIH Experience
David Harlan, MD, USA (Washington, DC)

5:00 p.m. – 5:30 p.m.

Imaging of Islet Cells: Application in Islet Cell and Pancreas
Transplantation
Alvin Powers, MD, USA (Nashville)

5:30 p.m. – 6:00 p.m.

Encapsulated Human- and Xeno-Islet Cell Transplantation:
Obstacles and Promises
James Gavin III, MD, PhD, USA (San Diego)

Workshop IIB: Insulin Delivery and Glucose-Sensing Technologies

Moderators: Aaron Kowalski, MD, USA (New York), Juvenile Diabetes
Research Foundation, and Irl Hirsch, MD, USA (Seattle)

3:30 p.m. – 4:00 p.m.

New Technologies in Insulin Delivery Systems in Diabetics
Alan Marcus, MD, USA (Los Angeles)

4:00 p.m. – 4:30 p.m.

Closing the Loop: Current Status and Near-Term Future
Christopher Saudek, MD, USA (Baltimore)

4:30 p.m. – 5:00 p.m.

Closing Insulin-Glucose Loop: Is Artificial Pancreas Really Necessary?
Barry Ginsberg, MD, USA (Bridgewater)

5:00 p.m. – 5:30 p.m.

Noninvasive Glucose Monitoring Technologies:
Potential Application in Hospitalized Patients?
Irl Hirsch, MD, USA (Seattle)

5:30 p.m. – 6:00 p.m. Panel Discussion and Q/A

Panelists: Alan Marcus, MD, USA (Los Angeles); Christopher Saudek,
MD, USA (Baltimore); Barry Ginsberg, MD, USA (Bridgewater); and Irl
Hirsch, MD, USA (Seattle)

Workshop IIC: Diabetes in Pregnancy

Moderators: Douglas Kniss, PhD, USA (Columbus) and Mark Landon,
MD, USA (Columbus)

3:30 p.m. – 4:00 p.m.

Diabetes in Pregnancy: Predictors of Maternal-Fetal Outcomes
Lois Jovanovic, MD, USA (Santa Barbara)

4:00 p.m. – 4:30 p.m.

Current Concepts in Gestational Diabetes: The Role of Adipocytokines
Patrick Catalano, MD, USA (Cleveland)

4:30 p.m. – 5:00 p.m.

Practical Approaches to Effective Management of Diabetes in
Pregnancy: Diet vs. Insulin vs. Oral Antidiabetic Medications?
Mark Landon, MD, USA (Columbus)

5:00 p.m. – 5:30 p.m.

Care of the Pregnancy Complicated by Diabetes Mellitus: The
Application of New Technologies
Steven Gabbe, MD, USA (Nashville)

5:30 p.m. – 6:00 p.m. Panel Discussion and Q/A

Panelists: Lois Jovanovic, MD, USA (Santa Barbara); Patrick Catalano,
MD, USA (Cleveland); Douglas Kniss, PhD, USA (Columbus); and
Steven Gabbe, MD, USA (Nashville)

Workshop IID: American Association of Diabetic Educators (AADE)

2 back to back sessions

3:30 p.m. – 4:30 p.m.

Diabetes Education Outcomes: The Journey from Standards to Outcomes
Donna Rice, RN, MBA, CDE USA (Michigan)
Malinda Peoples, RN, MS, CDE USA (Chicago)

4:30 p.m. – 5:30 p.m.

Diabetes Education: Not Just Information but Behavior Change
Amparo Gonzalez, RN, CDE USA (Chicago); Marcia Draheim, RN, CDE
USA (Iowa)

December 1, 2007

Evening Program 6:30 pm to 9:00 pm

6:30 p.m. – 7:00 p.m. Reception

Dinner Symposium

Pharmacological Approaches for Primary Prevention: Obesity Diabetes
and Cardiovascular Diseases

Moderators: Kenneth Jamerson, MD, USA (Ann Arbor) and
F. Xavier Pi-Sunyer, MD, USA (New York)

7:00 p.m. – 7:30 p.m.

Role of New PPAR Agonists in Diabetes and Cardiovascular Diseases:
Outcome Studies
Willia Hsueh, MD, USA (Los Angeles)

7:30 p.m. – 8:00 p.m.

Endocannabinoid System in Metabolic Syndrome: What is the Evidence?
George Bray, MD, USA (Baton Rouge)

8:00 p.m. – 8:30 p.m.

Future of Endocannabinoids in Cardiovascular Diseases:
Will They Become a Reality?
F. Xavier Pi-Sunyer, MD, USA (New York)

8:30 p.m. Closing Comments and Adjournment

9:00 p.m. – 11:00 p.m. Evening Entertainment (non CME accredited)